

Comparisons of Job Characteristics

Focus Occupation: Broadcast Technicians (27-4012)

Associated Occupation: Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Broadcast Technicians (27-4012)

Associated Occupation: Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Telecommunications	3.9	19.3	15.5	<< Extensive education and/or training may be required
Computers and Electronics	8.4	15.4	16.8	0 Current knowledge level may be sufficient
Mechanical	6.8	12.4	10.2	< Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 77

Focus Occupation: Broadcast Technicians (27-4012)

Associated Occupation: Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Troubleshooting	4.5	11.8	8.4	<< Extensive development of skills in this area may be required
Quality Control Analysis	5.9	11.5	8.7	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	11.4	11.1	0 Current skill level may be sufficient
Repairing	3.4	10.6	6.8	<< Extensive development of skills in this area may be required
Equipment Maintenance	3.5	10.3	7.9	<< Extensive development of skills in this area may be required
Operation and Control	5.4	10.0	7.9	< A higher skill level may be required
Equipment Selection	3.3	9.2	7.9	< A higher skill level may be required

Installation	1.7	7.7	5.0	<<	Extensive development of skills in this area may be required
Programming	2.2	5.2	3.6	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 76			
Focus Occupation: Broadcast Technicians (27-4012) Associated Occupation: Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Visual Color Discrimination	6.4	12.9	9.7	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	12.0	9.0	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	11.4	7.0	<<	Extensive improvement in abilities may be required
Visualization	7.5	11.0	9.1	<	Some improvement in abilities may be required
Gross Body Equilibrium	3.2	8.6	2.0	<<	Extensive improvement in abilities may be required
Gross Body Coordination	3.9	8.3	3.5	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	6.1	1.2	<<	Extensive improvement in abilities may be required
Night Vision	2.1	5.9	1.2	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 78
Focus Occupation: Broadcast Technicians (27-4012) Associated Occupation: Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)		
Work Activities	Exclusivity of Activity	
Calibrate or adjust electronic equipment or instruments to specification	67	
Communicate technical information	4	
Distinguish colors	44	
Drive automobile, van, or light truck	53	
Install electronic power, communication, control, or security equipment or systems	76	
Install/connect electrical equipment to power circuit	57	
Read blueprints	10	
Read schematics	34	

Read technical drawings	7
Read work order, instructions, formulas, or processing charts	9
Replace electronic components	63
Solder electrical or electronic connections or components	55
Test electrical/electronic wiring, equipment, systems or fixtures	54
Test electronic or electrical circuit connections	66
Understand detailed electronic design specifications	70
Understand service or repair manuals	40
Understand technical information for electronic repair work	76
Understand technical operating, service or repair manuals	6
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use interpersonal communication techniques	10
Use precision tools in electronics repair	71
Use soldering equipment	44
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

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Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.